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## **Introduction**

Exablaze is a leading vendor of ultra-low latency network hardware. We produce the lowest latency Ethernet network card (ExaNIC X10, 780ns), the highest precision network capture card (ExaNIC HPT, 250ps), the lowest latency Ethernet switch (ExaLink Fusion, 96ns) and the lowest latency Ethernet multiplexer (ExaLink FastMux, 49ns). All of our products are FPGA based. Exablaze would like to demonstrate some of our products “in action” at the upcoming SIGCOMM conference in Los Angeles 2017.

## **Demo Description:**

The ExaNIC HPT is a high precision network capture card with 250 picosecond capture resolution. With its very high resolution, it can be used to measure network equipment at or below individual clock cycles. It can also be used to measure propagation times packets across cables and fibres down to only a few centimeters in length. Alternatively, it can be used to calculate the lengths of those cables and fibres.

We would like to present a “hands on” demonstration of the ExaNIC HPT measuring a range of products, including fibres and cables and our ExaLink Fusion products. We believe the demonstration will be interesting to the SIGCOMM community, demonstrating the state of the art in commodity network capture and measurement.

To perform the demo, we will require power and a table to run on. We will not require network connectivity.